

DEPARTMENT OF THE AIR FORCE
Headquarters, United States Air Force
Washington DC 20330-1490

CHANGE 1
CFETP 15WX
July 2004

This change is effective with E3OAR15W3 000 class starting 20041004:

1. Required changes:

Page	Paragraph	Column	Action
21 – 26			Replace

2. After necessary action, file this sheet in the back of CFETP.

THOMAS E. STICKFORD, Brig General, USAF
Directorate of Weather
DCS/Air and Space Operations

COMBAT WEATHER TEAM OFFICER

1. Implementation of training in support of this CTS is with class beginning 20041004 and graduating 20050105.

2. Purpose. This course training standard:

a. Establishes the training requirements using tasks, knowledge, and proficiency levels for course E3OAR15W3 000, Combat Weather Team Officer.

b. Provides the basis for the development of more detailed training materials, training objectives, and training evaluation instruments for the course.

3. Course Description. This group paced course provides mandatory training for officers in AFSC 15W3 who have been in the Air Force for three to four years prior to being assigned to a combat weather team. The weather impact on operations is covered including space, land warfare, air, and special operations. Special topics such as weather observations and equipment, tactical weather communications and decision aids, mission execution forecast process, weather systems management, and space are taught. This course is piggybacked with the weather enlisted course E3AAR1W051 002, Combat Weather Team Operations.

4. Qualitative Requirements. Attachment 1 contains the task, knowledge, and proficiency levels referenced in paragraph 2. Prerequisites: Must have been awarded a skill level of 15W3.

5. Recommendations. Comments and recommendations are invited concerning quality of AETC training. Reference this CTS and address correspondence regarding changes to 81 TRG/TGET, 825 Hercules, Suite 101, Keesler AFB MS 39534-2037. A Training Feedback Hotline has been installed for the supervisor's convenience to identify unsatisfactory performance of individual graduates or to identify graduates who may have received over or under training on task/knowledge items listed in this training standard. For quick response to problems, call our Training Feedback Hotline, DSN 597-4566, anytime day or night (FAX DSN 597-3790 or e-mail 81trg-tget@keesler.af.mil). Identify the specific area of concern (paragraph, training standard element, etc.).

JESSIE W. CANADAY, Colonel, USAF
Commander

1 Atch
Qualitative Requirements

Supercedes: CTS E3OAR15W3 000, May 2001
Prepared by: 335 TRS/TRRA
Approved by and Date: HQ USAF/XOWR, 6 May 2004
Distribution: F (Continued on page 2)

QUALITATIVE REQUIREMENTS

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The Individual
TASK PERFORMANCE LEVELS	1	Can do simple parts of the task. Needs to be told or shown how to do most of the task.
	2	Can do most parts of the task. Needs help only on hardest parts. (PARTIALLY PROFICIENT)
	3	Can do all parts of the task. Needs only a spot check of completed work. (COMPETENT)
	4	Can do the complete task quickly and accurately. Can tell or show others how to do the task.
* TASK KNOWLEDGE LEVELS	a	Can name parts, tools, and simple facts about the task. (NOMENCLATURE)
	b	Can determine step by step procedures for doing the task. (PROCEDURES)
	c	Can identify why and when the task must be done and why each step is needed. (OPERATING PRINCIPLES)
	d	Can predict, isolate, and resolve problems about the task. (COMPLETE THEORY)
**SUBJECT KNOWLEDGE LEVELS	A	Can identify basic facts and terms about the subject. (FACTS)
	B	Can identify relationship of basic facts and state general principles about the subject. (PRINCIPLES)
	C	Can analyze facts and principles and draw conclusions about the subject. (ANALYSIS)
	D	Can evaluate conditions and make proper decisions about the subject. (EVALUATION)
EXPLANATIONS		
<p>* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Examples: b and 1b)</p> <p>** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <p>- This mark is used alone instead of a scale value to show that no proficiency training is provided in the course.</p> <p>x This mark is used alone in course columns to show that training is required but not given due to limitations in resources.</p>		

Distribution: (Continued from page 1)

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HQ USAF/XOWR	1
HQ ANG/DOOSW	1
81 TRG/TGET	1
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QUALITATIVE REQUIREMENTS
Tasks, Knowledge, and Proficiency Level

Note: All items WILL BE TAUGHT in the wartime course.

1. WEATHER IMPACTS ON OPERATIONS

- | | |
|-------------------------|---|
| 1.1. Space | B |
| 1.2. Land warfare | B |
| 1.3. Air | B |
| 1.4. Special operations | B |

2. WEATHER EQUIPMENT

- | | |
|---|----|
| 2.1. Operate Fixed Meteorological Equipment | |
| 2.1.1. Cloud height | 2b |
| 2.1.2. Visibility | 2b |
| 2.1.3. Wind | 2b |
| 2.1.4. Pressure | 2b |
| 2.1.5. Temperature and dew point | 2b |
| 2.1.6. Precipitation | 2b |
| 2.1.7. Lightning Detection System (LDS) | 2b |
| 2.2. Deployable meteorological equipment | |
| 2.2.1. TMQ-53 (TR: Operator's Manuals) | |
| 2.2.1.1. Set up and tear down | a |
| 2.2.1.2. Operate | 2b |
| 2.2.1.3. Troubleshoot | a |
| 2.2.2. Tactical automated sensors | A |

3. TACTICAL WEATHER COMMUNICATIONS

- | | |
|---|----|
| 3.1. Tactical communications architecture | B |
| 3.2. Satellite communications (VSAT) | |
| 3.2.1. Set up | 1a |
| 3.2.2. Operate | 2b |
| 3.2.3. Troubleshoot | 1a |

4. TACTICAL DECISION AIDS

- | | |
|--|----|
| 4.1. Produce | |
| 4.1.1. Electro Optical (TAWS) | 2b |
| 4.1.2. Integrated Weather Effects Decision Aids (IWEDA, WEW) | a |
| 4.2. Atmospheric effects on electro-optical systems | C |
| 4.3. Target Acquisition Systems | B |
| 4.4. Precision Guided Munitions Operation | B |

5. MISSION EXECUTION FORECAST PROCESS (MEFP)

5.1. Process	C
5.2. Apply climatology to mission forecast preparation	2b
5.3. Prepare and present weather briefings	
5.3.1. Staff	2b
5.3.2. Mission	2b
5.4. Tailored mission products	
5.4.1. Ground operations	B
5.4.2. Air operations	B
5.4.3. Amphibious operations	B

6. WEATHER OBSERVATIONS

6.1. Observe and evaluate	
6.1.1. Sky condition and clouds	2b
6.1.2. Visibility and runway visual range (RVR)	2b
6.1.3. Present weather and obstructions to vision	2b
6.1.4. Wind characteristics	2b
6.1.5. Barometric pressure	2b
6.1.6. Temperature and dew point	2b
6.1.7. Precipitation rate and amount	2b
6.2. Encode METAR observations	2b
6.3. Perform barometer comparisons	2b
6.4. Record summary of the day data	
6.4.1. Twenty-four hour operations	2b
6.4.2. Limited duty operations	2b
6.5. Chemical downwind messages	
6.5.1. Encode	2b
6.5.2. Decode	2b
6.6. Determine SPECI and LOCAL observation criteria	2b
6.7. Perform cooperative weather watch	a
6.8. Augment automated surface observations	2b

7. TACTICAL WEATHER SITE

7.1. Select site	B
7.2. Create tactical visibility chart	2b
7.3. Observe and encode tactical weather observations	2b
7.4. Provide mission tailored tactical forecast products	2b

8. WEATHER WEAPONS SYSTEMS

- | | |
|--|----|
| 8.1. System Configurations | B |
| 8.2. Create/edit graphic products | 2b |
| 8.3. Create/edit alphanumeric products | 2b |
| 8.4. Create macros | 2b |
| 8.5. Perform system manager functions | 2b |

9. NETWORK/COMMUNICATION CONNECTIONS

- | | |
|---|----|
| 9.1. LAN theory | B |
| 9.2. System communications | B |
| 9.3. Establish | b |
| 9.4. Fabricate category 5 cable connections | 2b |

10. SPACE

- | | |
|-----------------------------|----|
| 10.1. Effects on operations | B |
| 10.2. Apply products | 2b |
| 10.3. Decode bulletins | 2b |

SUMMARY OF CHANGES

Incorporates N-TFS System Management training and other changes as determined by the 24 March 2003 U&TW.

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